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FROM: Matthew L. Schneider
Reference No. 1034290-000007

Telephone #: 703 838 6570
U.S. Application No. 10/594,754

Date 5/1/2009

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PAGE 1/3 * RCVD AT 5/1/2009 8:30:21 AM [Eastern Daylight Time] * SVR:USPTO-EFAXRF-6/1 * DNIS:2737852 * CSID:703 836 2021 * DURATION (mm-ss):01-16

Proposed Amended Claims for Discussion During Interview

U.S. Application No. 10/594,754

13. (Currently Amended) An on-vehicle radio device that acquires identification information for unlocking a lock device of a vehicle from a portable radio device having said identification information recorded therein by radio communication with said portable radio device, comprising:

human detection means of detecting a person;

variable frequency signal generating means of generating a variable request frequency signal for said radio communication for requesting transmission of a signal including said identification information;

band changing means of changing the frequency band of the request signal generated by said variable frequency signal generating means in a case in which an on-vehicle radio device has not yet acquired the identification information recorded in the portable radio device when the person carrying the portable radio device having the identification information recorded therein is detected by the human detection means;

radio transmitting means of transmitting the signal generated by said variable frequency signal generating means to the outer space; and

transmission characteristics changing means of changing the transmission characteristics of said radio transmitting means to transmission characteristics adapted to the frequency band of the signal generated by said variable frequency signal generating means changed by said band changing means.

14. (Currently Amended) An on-vehicle radio device that acquires identification information for unlocking a lock device of a vehicle from a portable radio device having said identification information recorded therein by radio communication with said portable radio device, comprising:

radio wave measuring means of measuring radio wave intensity in the outer space of said on-vehicle radio device for each of predetermined frequency bands;

variable frequency signal generating means of generating a variable frequency signal for said radio communication for requesting transmission of a signal including said identification information;

band changing means of changing the frequency band of a signal generated by said variable frequency signal generating means to a frequency band in which the radio wave intensity in the outer space of the on-vehicle radio device is lowest from amongst the predetermined frequency bands;

radio transmitting means of transmitting the signal generated by said variable frequency signal generating means to the outer space; and
transmission characteristics changing means of changing the transmission characteristics of said radio transmitting means to transmission characteristics adapted to the frequency band of the signal generated by said variable frequency signal generating means changed by said band changing means.